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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/879,133	06/13/2001	Shinichirou Eda	1080.1097	3908

21171 7590 02/24/2004

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EXAMINER

RONES, CHARLES

ART UNIT	PAPER NUMBER
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2175

DATE MAILED: 02/24/2004

6

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/879,133

Applicant(s)

EDA ET AL.

Examiner

Charles L. Rones

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 December 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

Amendements

The amendments timely filed on December 19, 2003 have been entered.

Claim Objections

Claims 1, 4 and 7 are objected to because of the following informalities: Claims state RDB and ODB without spelling out what they stand for at least once in the claims after continuing to use the acronyms. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Bannon et al. U. S. Patent No. 5,297,279 ('Bannon').

Bannon discloses:

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As to claim 1,

RDB definition information extracting means for extracting RDB definition information from an RDB repository describing therein definition information of the relational database which is a transition object to the object database; See 6:23-54; 8:1-33; 10:1-21; 26:40-67; and

repository creating means for creating an ODB repository describing therein definition information of the object database associated with the RDB definition information in accordance with the RDB definition information extracted by said RDB definition information extracting means and for creating correlation information repository defining mutual relationship between the RDB definition information and ODB definition information; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 2,

wherein said database transition system further comprises data transition means for converting data of the relational database into the object database in accordance with the correlation information repository created by said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 3,

wherein said database transition system further comprises application program conversion means for converting an application program described in a relational database based language into an application program described in an object database

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based language in accordance with the correlation information repository created by said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 4,

RDB definition information extracting means for extracting RDB definition information from an RDB repository describing therein definition information of the relational database which is a transition object to the object database; See 6:23-54; 8:1-33; 10:1-21; 26:40-67; and

repository creating means for creating an ODB repository describing therein definition information of the object database associated with the RDB definition information in accordance with the RDB definition information extracted by said RDB definition information extracting means and for creating correlation information repository defining mutual relationship between the RDB definition information and ODB definition information; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 5,

wherein said database transition processing program further comprises data transition means for converting data of the relational database into the object database in accordance with the correlation information repository created by said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 6,

wherein said database transition processing program further comprises application program conversion means for converting an application program conversion means for converting an application program described in a relational database based language into an application program described in an object database based language in accordance with the correlation information repository created by said repository creating means; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

As to claim 7,

Automatically extracting RDB definition information from an RDB repository describing information of the relational database which is a transition object to be transitioned to the object database; See 6:23-54; 8:1-33; 10:1-21; 26:40-67;

Automatically creating an ODB repository describing therein definition information of the object database associated with the RDB definition information in accordance with the extracted RDB definition information and creating a correlation information repository defining mutual relationship between the RDB definition information and ODB definition information; See 6:23-54; 8:1-33; 10:1-21; 26:40-67.

Response to Arguments

Applicant's arguments filed December 19, 2003 have been fully considered but they are not persuasive.

Firstly, Applicant argues that Bannon does not disclose an ODB.

In response, Examiner maintains that Bannon discloses such wherein Bannon's OODB is deemed to be functionally equivalent to Applicant's ODB.

Secondly, Applicant argues that Bannon does not disclose converting over to an ODB.

In response, Examiner maintains that Bannon discloses such wherein Bannon teaches creating and translating objects; See 9:26-56; 10:1-51.

Lastly, Applicant argues that Bannon does not disclose data conversion.

In response, Examiner maintains that Bannon discloses such wherein Bannon's that creating and translation are deemed to provide data conversion.

Conclusion

1. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles L. Rones whose telephone number is 703-306-3030. The examiner can normally be reached on Monday-Thursday 8am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 703-305-3830. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3800.



Charles L. Rones
Primary Examiner
Art Unit 2175

February 22, 2004